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May 10, 2004

Mr. Nabil S. Fayoumi
U. S. EPA - Region 5
77 West Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3590

**Re: Sauget Area 2 Site – October 3, 2002 Unilateral Administrative Order (UAO) Groundwater Operable Unit
17 - Monthly Report; April 1 - April 30, 2004 Reporting Period**

Dear Nabil:

Attached is the Monthly Report for the Sauget Area 2 Site October 3, 2002 Unilateral Administrative Order (UAO) - Groundwater Operable Unit. This submittal is in fulfillment of the monthly reporting requirements of the UAO, Section XII, paragraph 62, Progress Reports. This report is for the period April 1 – April 30, 2004.

Sincerely,

A handwritten signature in black ink, appearing to read "Steve Smith", is written over the typed name.

Steven D. Smith

cc: Ken Bardo, - U. S. EPA
Mayor Sauget - Sauget, IL
Sandra Bron – IEPA
Mike Coffey - USFWS
Village of Sauget – c/o P. H. Weis & Associates (Attn: Brian Nelson)
Mayor Frank Bergman – Cahokia
L. Glen Kurowski - Monsanto
Cathleen Bumb – Solutia
Richard Williams – Solutia

Sauget Area 2 Site - Sauget, Illinois

October 3, 2002 UAO – Groundwater Operable Unit

Status Report

Date of Report: May 10, 2004
Period Covered: April 1 - April 30, 2004

Agency Actions / Communications

In an e-mail message dated June 19, 2003, U. S. EPA requested the submission of revised versions of the Focused Feasibility Study, the Remedial Design Work Plan, and the Pre-Final (95%) Remedial Design. The revisions were required to allow the use of a slurry wall rather than jet grouting for construction of the barrier wall. The revised documents were submitted on July 3, 2003. The ESD was issued by US EPA on July 30, 2003. The Final Design Submittals were approved by EPA on October 16, 2003.

Work Performed During the Reporting Period

Slurry Wall

- Total excavation through April 30, 2004 = 249,726 sq ft. This does not include the area around the Ranney well which is ~ 8,500 sq ft.
- Total backfill placed through April 30, 2004 = 160,741 sq ft.
- Cleaning and backfilling of the trench continued through the month of April, with approximately 8,000 cubic yards of new backfill being placed during the month.
- Excavation of a new section of trench along the southern leg of the wall began during the month and approximately 220 feet of trench was excavated during the month. The rate of excavation of this portion of the trench is controlled by the ability to place backfill, since it is the intention to minimize the addition of fresh slurry to the trench to the greatest extent possible.

Groundwater Treatment

- Pumping rates for the groundwater extraction system were set in accordance with the lookup tables provided in the ROD and the final design for the “no-wall” condition. Piezometric levels measured during the month demonstrate that groundwater discharge to the river is being controlled by the system.
- Effluent pumping data for each well are attached.
- Piezometer and pumping data are being forwarded to the Agencies weekly.
- Two piezometers, PZ-2E and PZ-4W, were damaged during backfill mixing. The cable for PZ-4W was repaired and the piezometer was put back into service. The transducer for PZ-2E was replaced with a spare; however, the replacement transducer appeared to be unstable and a new transducer was ordered and placed in the piezometer installation. This new transducer has functioned well since its installation.

Schedule

A new construction schedule was submitted to the Agencies in April.

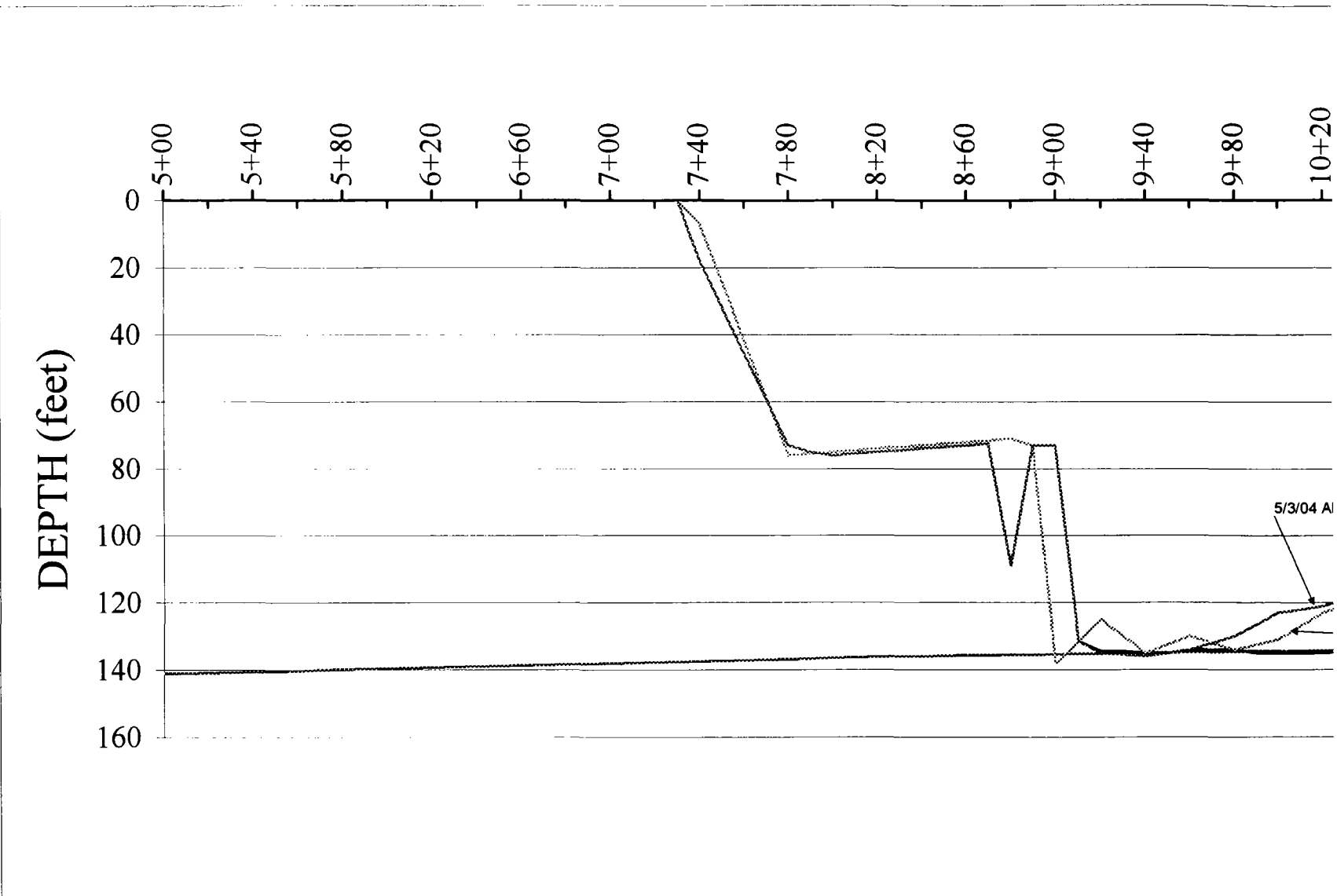
Submittals in April

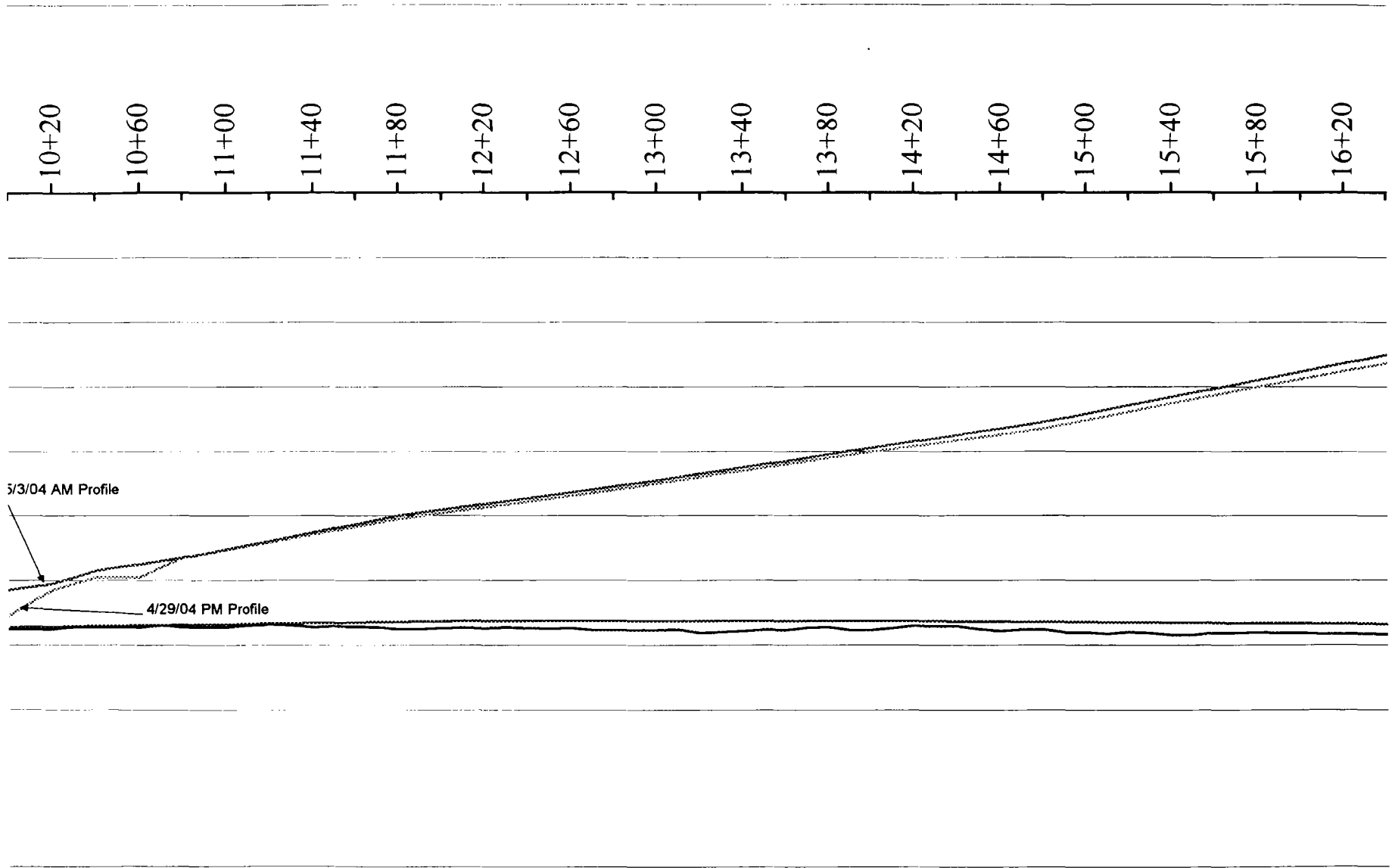
A new schedule was submitted in April.

Work Scheduled for Next Reporting Period

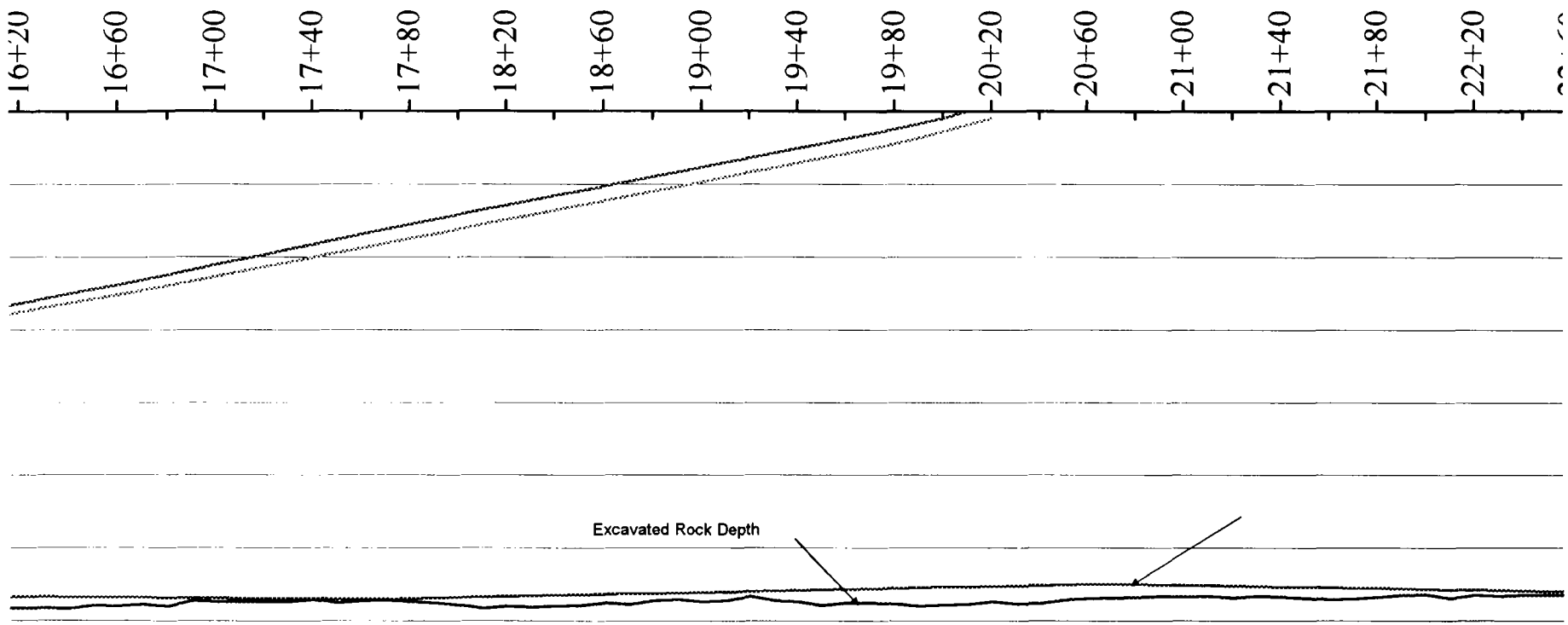
- Continue pumping and treating groundwater based on river level. System control will be based on river levels, as specified in the ROD and the ESD. Flow rates computed for the “no-wall” condition will be used.
- Continue excavating the south leg and the north-south leg of the slurry trench.
- Continue cleaning and backfilling the trench.
- Locate all pipes and services crossing the alignment of the north leg. Abandon those pipes that are no longer in service and encase the remaining pipes in concrete.

SLURRY WALL PROFILE

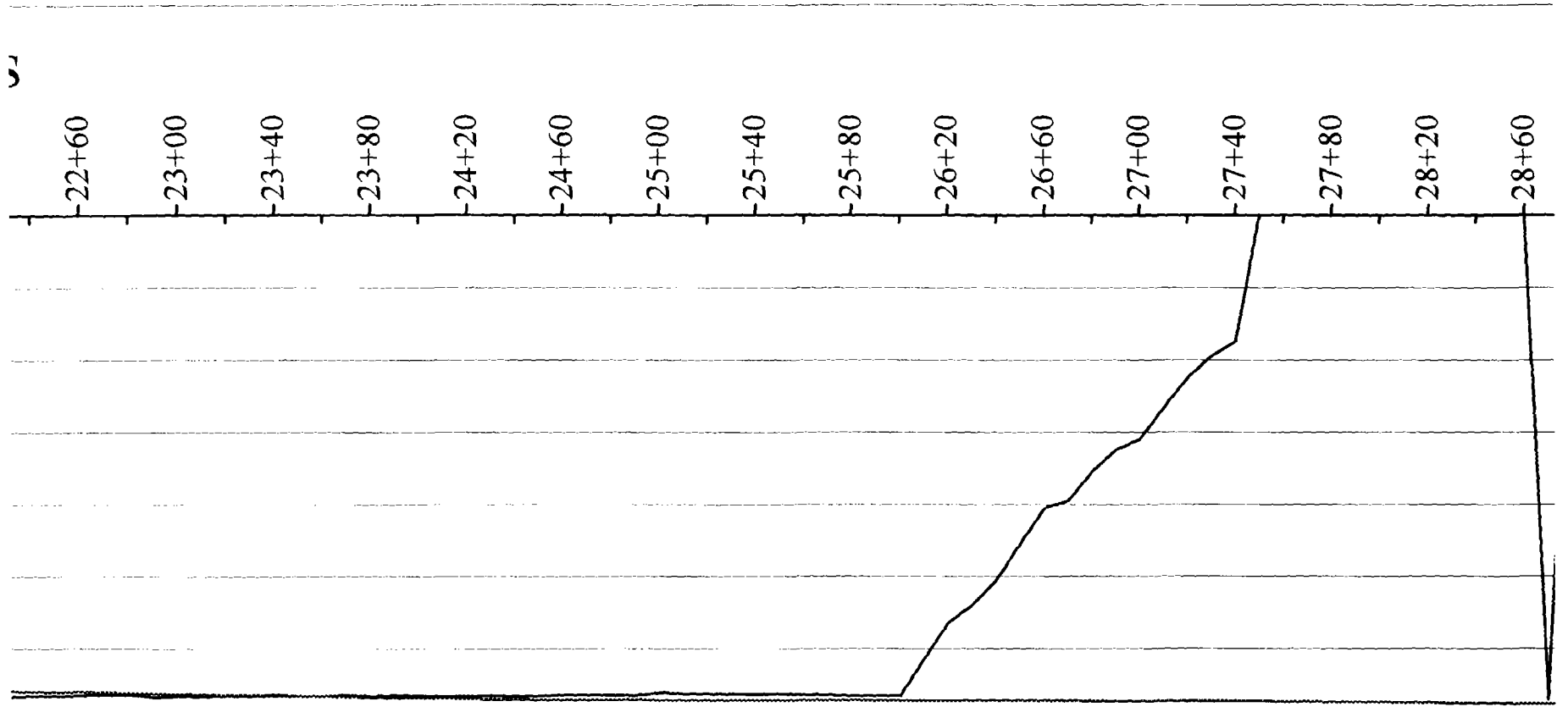




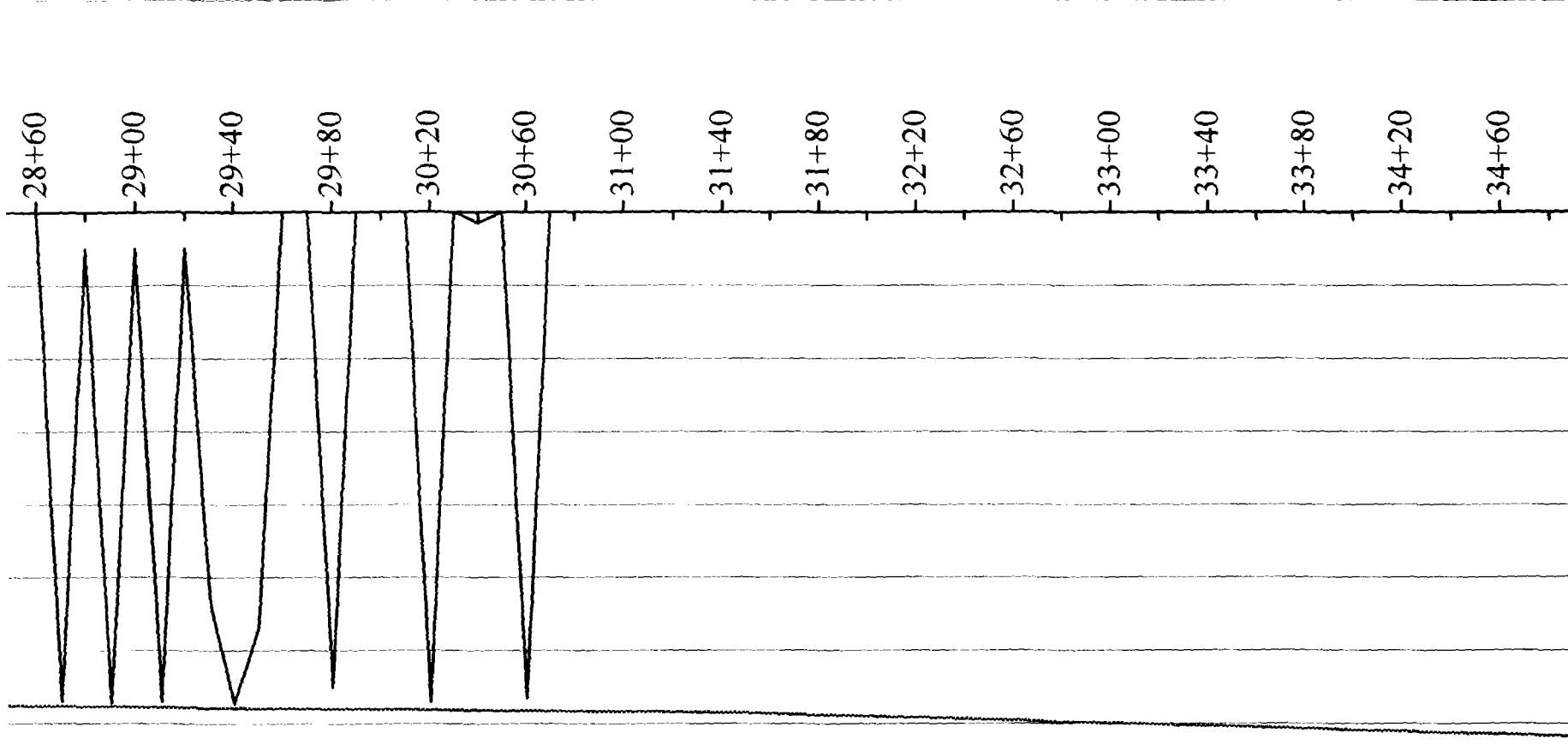
SURVEY STATIONS

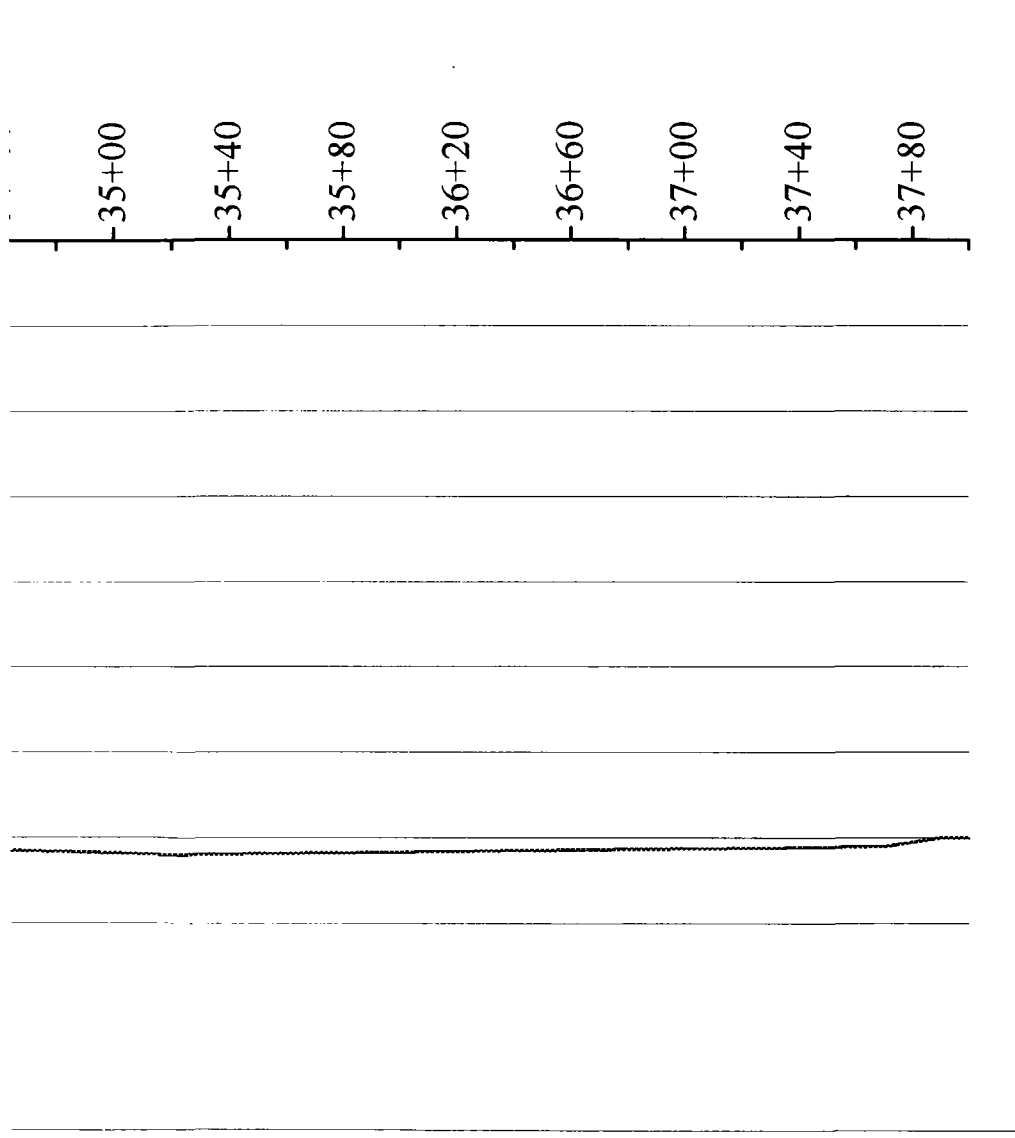


— Recorded Excavated Rock Depth — Planned Rock Depth 4/29/0



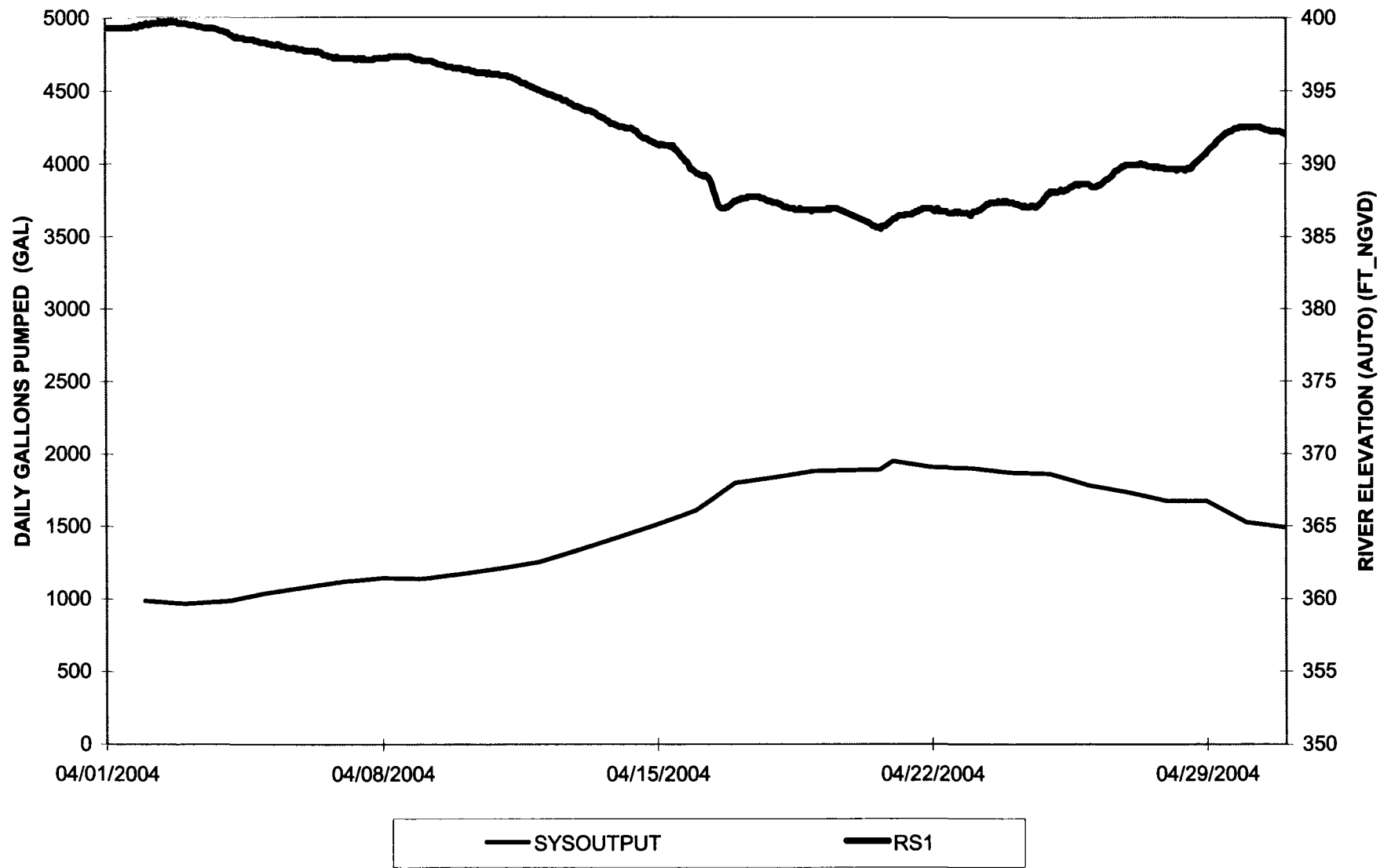
29/04 PM Profile — 5/3/04 AM Profile



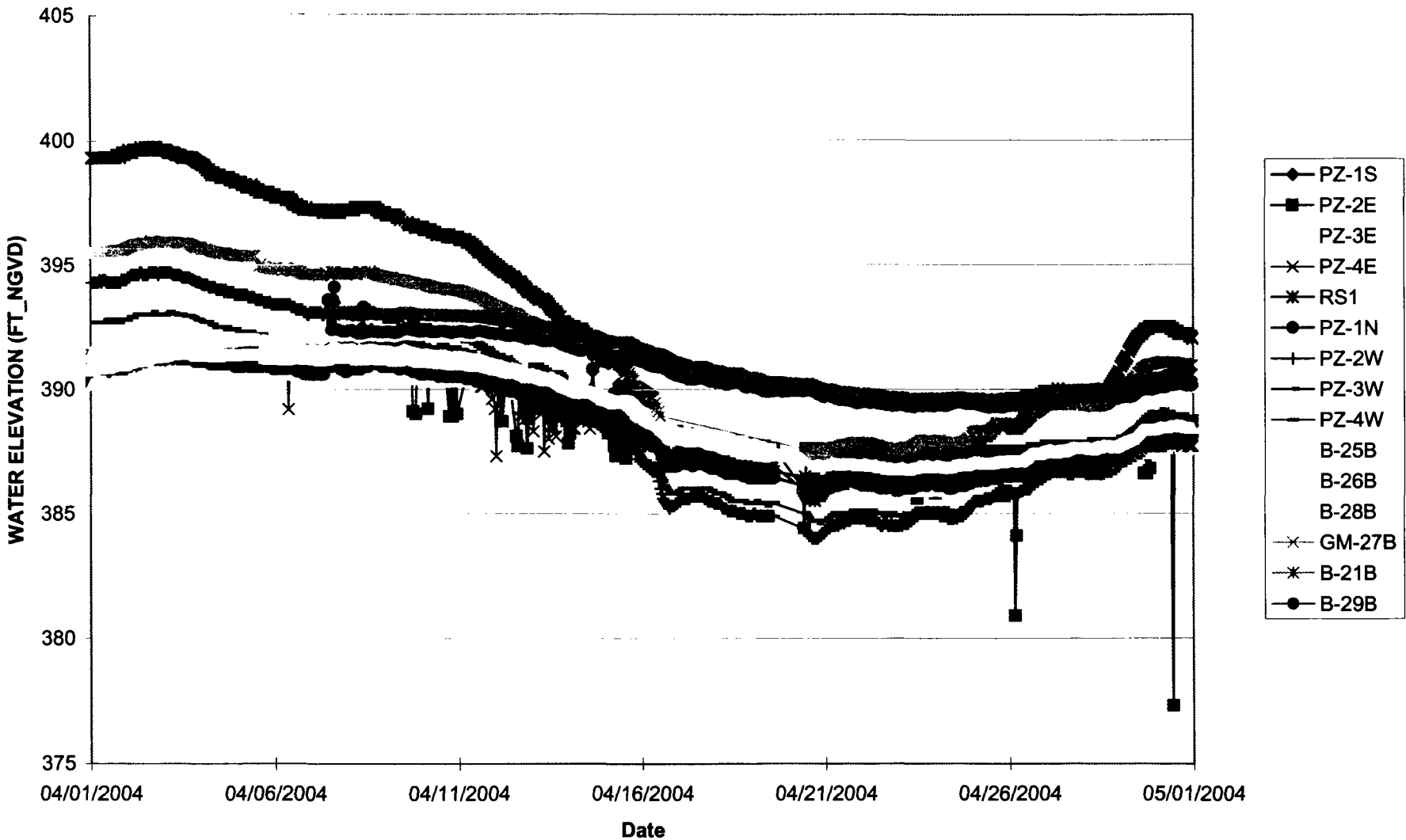


PUMPING

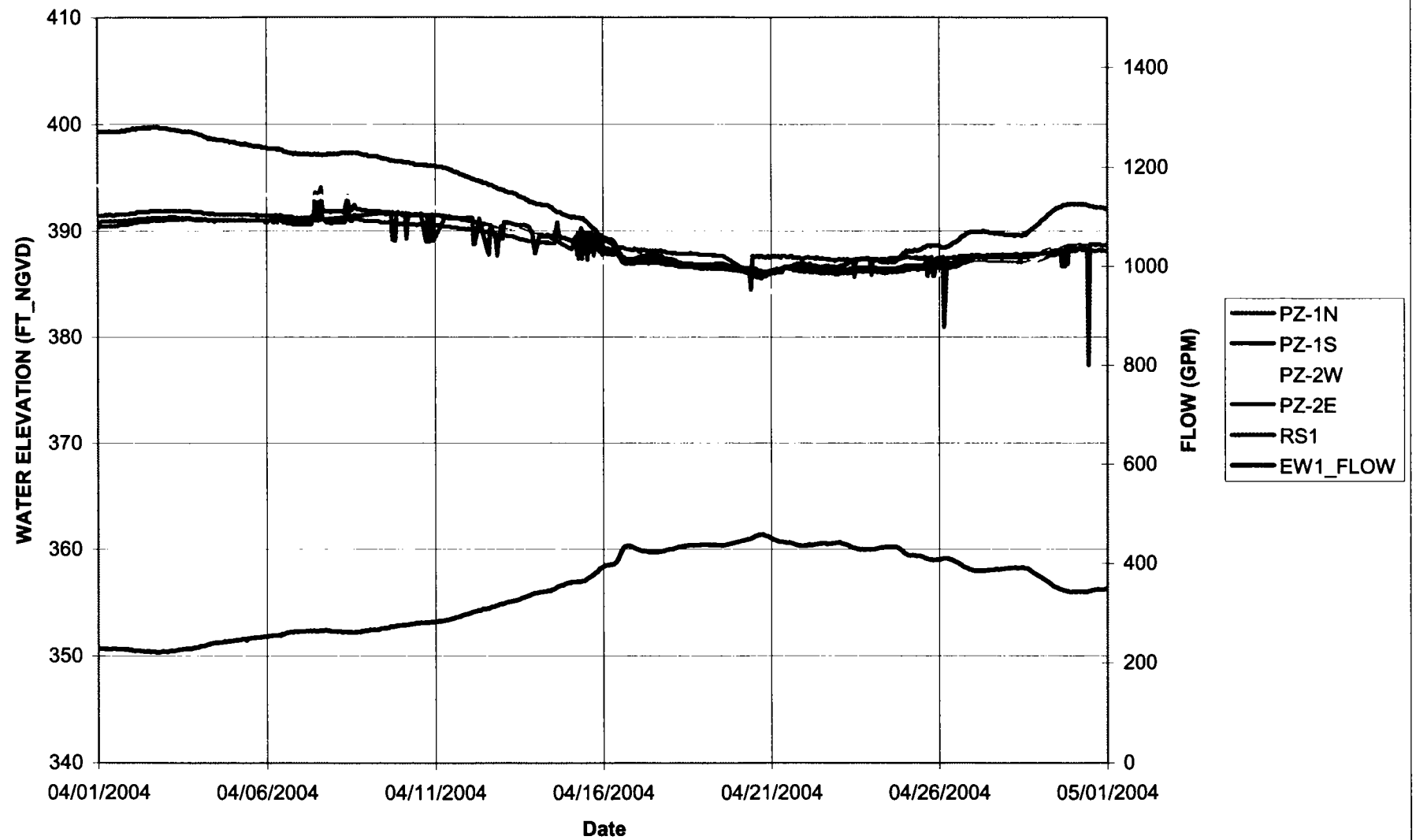
DAILY TOTAL GALLONS PUMPED W/ RIVER STAGE VS TIME



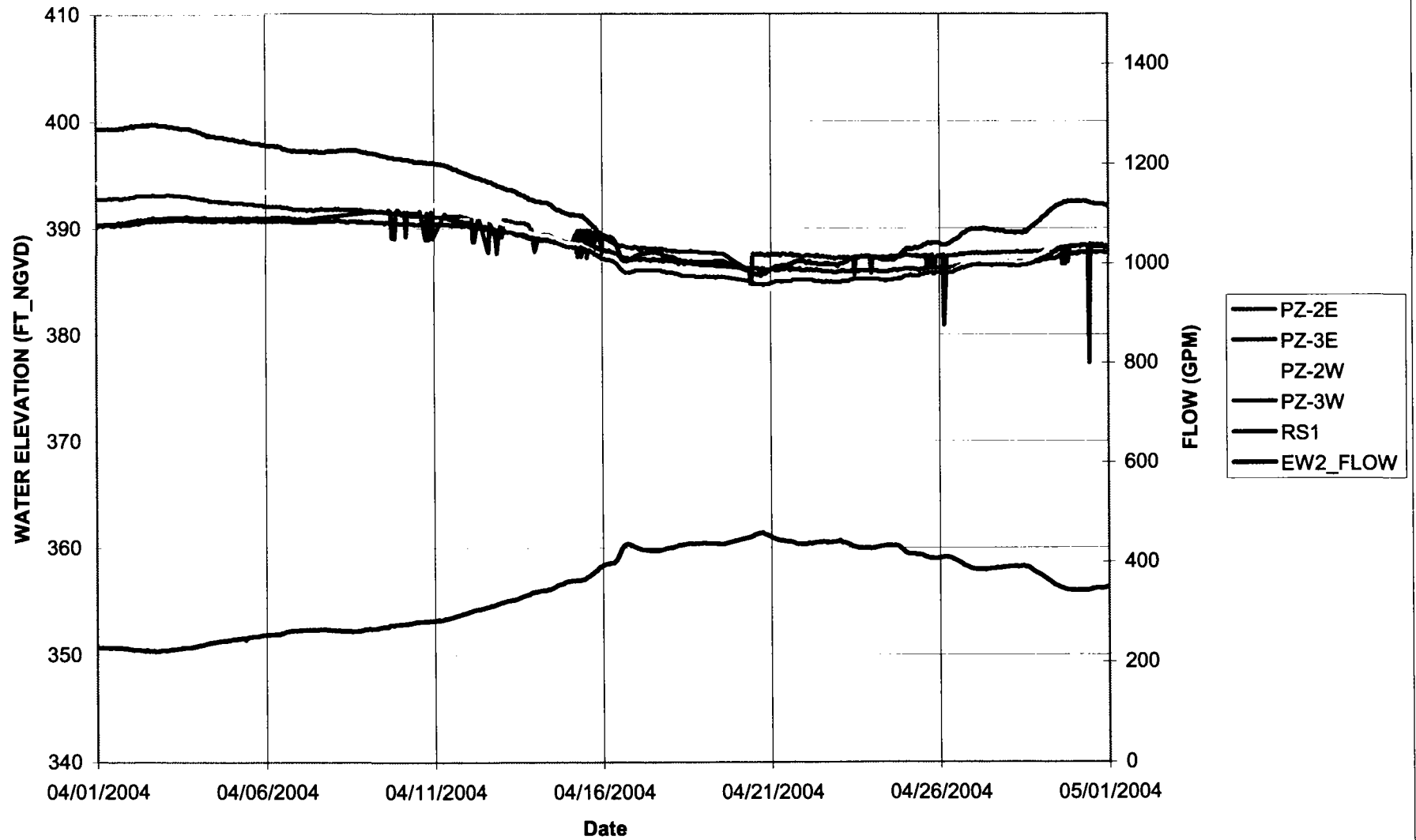
All Piezometers



WATER ELEVATION AND FLOW PLOT



WATER ELEVATION AND FLOW PLOT



WATER ELEVATION AND FLOW PLOT

